# HEUR DUNKHRID STRANFRO DERWIERE OF

TO ARE TO WHOM THESE PRESENTS SHARE COMES

# N. F. Davis, Drier & Elevator, Inc.

Takereas, there has been presented to the

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLI-CANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EX-LUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT.

ITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS HE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'Calpearl'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Mant Variety Protection Office to be affixed at the City of Washington

this 27th day of May the year of our Lord one thousand nine

hundred and eighty-two.

Plant Variety Protection Office

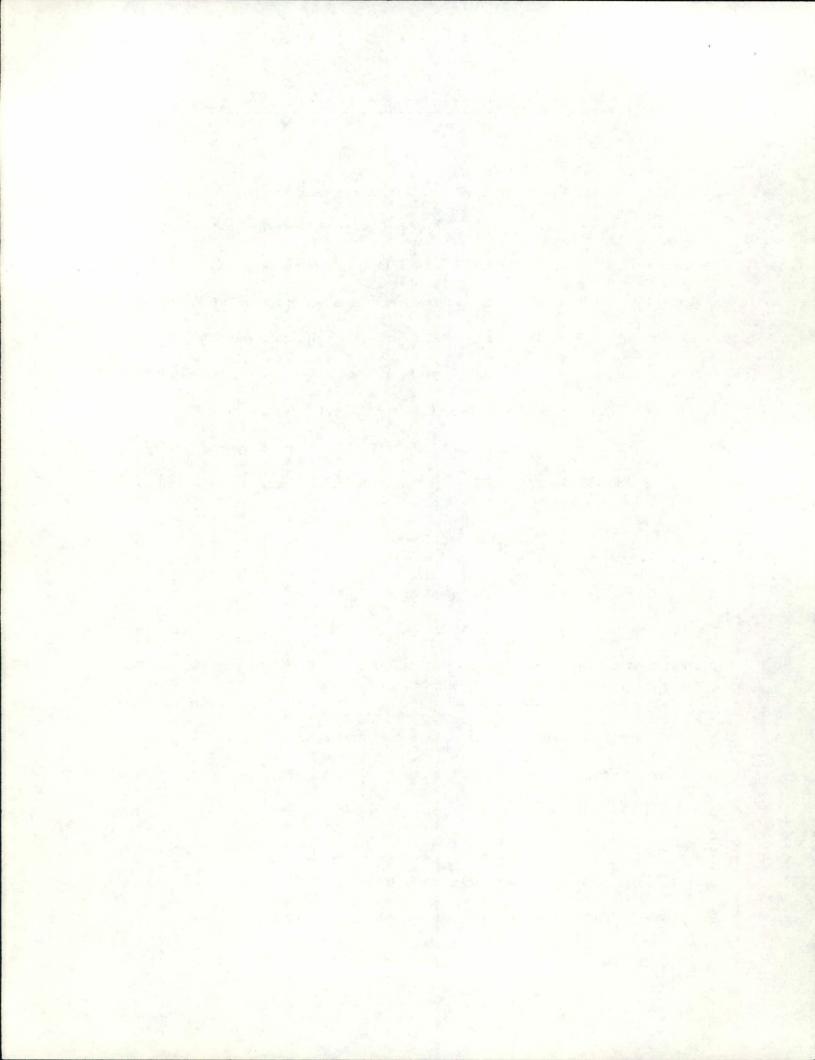
Grain Division



### BREEDING HISTORY OF CALPEARL SHORT-GRAIN RICE

Calpearl is a very early-maturing, short-stature, high-yielding, short-grain rice of excellent quality. It was developed in the rice-breeding laboratory of the N. F. Davis Drier & Elevator, Firebaugh, California, by Dr. Calpearl was a pure line selected from a cross hybrid, NFD-62, which was made in 1976. The parents were Calrose 76 (female) and NFD-4-2-1-1 (male). NFD-4-2-1-1 was a hybrid F<sub>5</sub> line selected from a hybrid of Earlirose/IR 1813-16-4-1 by Mr. Loren L. Davis, a former rice breeder at the N. F. Davis Drier & Elevator. IR 1813-16 was a hybrid line of Jin Heung/IR 262-43-8-11/Calady, which was released from the International Rice Research Institute in the Philippines, and IR 262 was Peta//Peta

The  $F_1$  plants of NFD-62 were grown in the greenhouse at the N. F. Davis Ranch in Firebaugh during the winter of 1976.  $F_2$  populations were planted and a number of plants selected during the cropping season of 1977.  $F_3$  became pedigree lines and were grown in the greenhouse again for the promotion of advance generations in the winter season of 1977.  $F_4$  lines were planted in the 1978 cropping season. Plants of NFD-62 lines ( $F_4$ ) were found to have distinguishing seedling vigor, high tillering ability, and short straw with compact panicles. A number of earlier-matured plants were selected and seed multiplicated at the winter nursery in the Hawaiian Islands in 1978. Under unfavorable weather conditions, different reactions on



spikelet fertility were found among these  $F_5$  lines. Seeds of selected lines were harvested and brought back to Firebaugh. Two preliminary yield trials were taken on NFD-62 lines in comparison with existing California rice cultivars. The results were as follows:-

Seeding date	Days to 50% heading	Plant height(cm.)	Yields cwt./ac.	Lodging %
May 14	88	90	127	20
May 14	96	117	111	50
June 11	81	91	126	15
June 11	82	118	108	100
June 11	85	116	101	60
June 11	85	89	100	80
June 11	85	95	93	15
	May 14 May 14  June 11 June 11 June 11 June 11	date     heading       May 14     88       May 14     96       June 11     81       June 11     82       June 11     85       June 11     85	date         heading         height(cm.)           May 14         88         90           May 14         96         117           June 11         81         91           June 11         82         118           June 11         85         116           June 11         85         89	date         heading         height(cm.)         cwt./ac.           May 14         88         90         127           May 14         96         117         111           June 11         81         91         126           June 11         82         118         108           June 11         85         116         101           June 11         85         89         100

Two seeding date trials in 1979 showed that NFD-62 lines produced yields superior to S-6, a current popular short-grain variety in California, and other early-maturing varieties, and also maintained their high yields after delayed plantings. The NFD-62C lines showed particular promise in the uniformity and early maturity in seed increase plots in 1979, as well as in different planting seasons in 1980.

To ascertain yielding capacities and adaptability to environment in different rice-growing areas, comprehensive yield trials were conducted at the Firebaugh rice-breeding nursery as well as in three other rice districts in California in 1980. A randomized complete block design with 22 entries and four replications was used in each location. Although comparisons were made on small plots (4' x 8' = 32 square feet base), general yielding data of the different varieties was obtained.



The results were as follows:-

	Grain Yiel	d (cwt./ac	c.) at fou	ir different	locations	
	Merced	Stockton	Gridley	Firebaugh	Average	Duncans' test
	*Apr. 16	*May 7	*May 8	*May 15	cwt./ac.	LSD.05=7 cwt/ac.
NFD-62C(F-7)	67	85	104	147	101	Α
M9 (1)	60	93	111	139	101	Α
NFD-62A(F-7)	71	76	89	146	96	Α
NFD-62A M-101	59	99	89	135	96	Α

<sup>\*</sup>Seeding dates

	Differ	ent Pla								
	Days t	:0 50%	heading	Gra	in Yiel	ds (cw			143	
	*Apr.	*May	*June	*Apr.	*May	*June		Dur	ncans' te	st
	15	15	15	15	15	15	Average	LSD.	05=7.5	cwt/ac.
NFD-62C(F <sub>7</sub> )	101	84	77	154	147	131	144	A		
NFD-62A(F7)	105	87	77	157	146	105*	* 137	A	В	
M-101	102	82	75	134	135	115	128		В	С
M9	106	93	81	138	139	91*	* 123			С

<sup>\*</sup>Seeding dates

Statistically speaking, NFD-62 lines A and C were no different from the check varieties M9 and M-101 over four locations at 5% LSD level.

However, some grains of NFD-62A were found to be immature after delayed seeding, and, consequently, NFD-62C was finally selected to be the new short-grain variety, Calpearl.

<sup>\*\*</sup>Some grains were immature at harvest time



### INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

#### ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial of the varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

  (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

#### UNITED STATES DEPARTMENT OF AGRICULTURE FORM APPROVED AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION OMB NO. 40-R3822 No certificate for plant variety protection may APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE be issued unless a completed application form has been received (5 U.S.C. 553). INSTRUCTIONS: See Reverse, TEMPORARY DESIGNATION OF 1b. VARIETY NAME FOR OFFICIAL USE ONLY VARIETY **PV NUMBER** NFD-62 Calpearl KIND NAME 3. GENUS AND SPECIES NAME FILING DATE TIME A.M 4/7/81 11:30 P.M. Rice Oryza sativa L. FEE RECEIVED DATE FAMILY NAME (BOTANICAL) 5. DATE OF DETERMINATION 4/7/81 500.00 2/26/82 250.00 Summer of 1979 Gramineae NAME OF APPLICANT(S) 7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP TELEPHONE AREA Code) CODE AND NUMBER N. F. Davis Drier & Elevator, Inc. P. O. Box 425 Firebaugh, California 93622 209-659-3035 IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF 10. IF INCORPORATED, GIVE STATE AND 9. DATE OF INCOR-ORGANIZATION: (Corporation, partnership, association, etc.) DATE OF INCORPORATION PORATION Corporation California 1948 NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: N. F. Davis Drier & Elevator, Inc. MR KARL A. Limbach Limbach, Limbach & setton P. O. Box 425 2001 Ferry Bldg San Francisco Firebaugh, California 93622 CA 94111 CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED: 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) X 13B. Exhibit B, Novelty Statement. 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.) 13D. Exhibit D, Additional Description of the Variety. PHOTOGRAPHS OF THE VARIETY 14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a). (If "Yes," answer 14B and 14C below.) X YES NO DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE 14b. 14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUC-LIMITED AS TO NUMBER OF GENERATIONS? TION BEYOND BREEDER SEED? 10/8/ 4 x YES **FOUNDATION** CERTIFIED REGISTERED 15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? NO (If "Yes," give YES name of countries and dates.) NO (If "Yes," give name of countries HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? YES and dates.) 16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? X YES The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. 1981 Davis (DATE) N. F. (DATE)

FORM GR-470 (1-78)

(SIGNATURE OF APPLICANT)

## NOVELTY STATEMENT

Calpearl most closely resembles M-101, but it is a short-grain type rice. It has better lodging resistance than M-101 at ripening time. The panicles are more compact in Calpearl than in M-101, and Calpearl has a hair on the grain whereas M-101 is smoothgrained. Calpearl shows a pronounced difference from most short-grain rice in that the grain is translucent. Calpearl plants are shorter than Maxwell at maturity and less sensitive to photoperiod.

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OBJECTIVE DESCRIPTION OF VARIETY RICE (ORYZA SATIVA)

NAME OF APPLICANTIS	FOR OFFICIAL USE ONLY
N. F. Davis	PYPO NUMBER 8100094
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	VARIETY NAME ON TEMPORARY
P.O. Box 425	DESIGNATION
Firebaugh, California 93622	CALPEARL
	resists in the horse helps.
Place the appropriate number that describes the varietal character of this v Place a zero in first box (e-s. 0 8 9 or 0 9 ) when number is either 9	29 or less or 9 or less.
1. MATURITY (Seeding to 50% Heading):  LOCATION Firebaugh, Calif. AVERAGE DATE SEEDED N	May 15
1 - VERY EARLY (85 days or less) 2 - EARLY (86 100) 4 - LATE (115 or more)	0 8 4 NUMBER OF DAYS
1 7 NO. OF DAYS EARLIER THAN 5	2 - BLUEBELLE 3 - NATO
NO. OF DAYS LATER THAN	5 - CALROSE 6 - REXORO
2. PLANT HABIT (Tiller Anyle from Perpendicular at the Early Jointing Stage):	
3 1 = SPREADING (more than 60°) 2 = INTERMEDIATE 3 = EREC	CT (less than 30°)
3. STEMS (Full Heading):	
0 9 4 CM. TALL (Soil level to tip of extended penicle on main culm)	
2 6 CM. SHORTER THAN 5 ) 1 - BELLE PATNA	2 - BLUEBELLE 3 - NATO
CM. TALLER THAN	5 - CALROSE 6 - REXORO
1 5 NUMBER OF NODES	
4 INTERNODE COLOR (Outside) 1 - LIGHT YELLOW 2 - CRE 4 - GREEN 5 - RED	
	RK PURPLE 9 = OTHER (Specify)
3 Tillering Ability (number of culms): 1 = 10 OR LESS (Belle Patne) 2	- 11 - 20 (Bluebonnet) 3 = ABOVE 20 (Century Patne)
Strength: 1 - STURDY (Starbonnet) 2 - INTERMEDIATE (Belle P	Patna) 3 - WEAK
4. LEAF BLADE (First Leaf Below Flay Leaf):	
3 4 CM, LENGTH 1 1 MM. WIDTH	
3 Color: 1 = PALE GREEN (Starbonnet) 2 = MEDIUM GREEN (Blu 4 = PURPLE 5 = RED	ebelle) 3 = DARK GREEN (Calrose) 6 = OTHER (Specify)
CLARROUS 3-INTERMEDIATE	1 = HORIZONAL 2 = ASCENDING ag Leaf Angle: 3 = ERECT
2 1 CM. LENGTH OF FLAG LEAF (Booting Stage) 1 4	MM, WIDTH (widest point) OF FLAG LEAF (Booting Stage)
5. LEAF SHEATH (First Leaf Below Flay Leaf):	
2 Ligule Length: 1 = NONE 2 = 20 MM. OR LESS 3 = 21 34 MM.	4 - MORE THAN 34 MM.
Cotor:  SHEATH (Outside)  1 COLLAR	
2 SHEATH (Inside) 1. LIGULE	COLORLESS 2 - GREEN 3 - RED  PURPLE 5 - OTHER (Specify)
2 SHEATH (Seedling) 1 AURICLE	

3	Type: 1 - OPEN 2 - INTERMEDIATE 3 - COMPACT   Habit: 1 - DROOPING 2 - INTERMEDIATE 3 - ER
	1 = LESS THAN 90% 2 = 90 99%
2	CM. LENGTH Exsertion: 3 + 100% EXSERTION
7.	SPIKELET:
1	Stigma Color: 1 - COLORLESS (White) 2 - YELLOW 3 - PURPLE 4 - RED
8.	LEMMA AND PALEA:
0	5 Color at Maturity
0	01 - COLORLESS (White) 02 - GREEN 03 - YELLOW 04 - TAWNY 05 - STRAW 06 - GOLD 07 - BROWN FURROWS 08 - BED 09 - PURPLE
0	Apiculus color at maturity 07 = BROWN FURROWS 08 = RED 09 = PURPLE 10 = PIEBALD 11 = BLACK 12 = OTHER (Specify)
0	2 Apiculus color at anthesis
3	Pubescence: 1 = GLABROUS 2 = PUBESCENT ONLY ON LEMMA KEEL 3 = PUBESCENT
3	Awn: 1 - AWNLESS 2 - TERMINAL SPIKELETS AWNED 3 - AWNED AND AWNLESS 4 - ALL SPIKELETS A
1	8 MM, AWN MAXIMUM LENGTH
-	SEED:
7	Non-pigmented coat (Pericarp) ("Brown Rice" color): 1 = LIGHT 2 = MEDIUM 3 = DARKER
	Tour particular tout (residue) ( Biowill Nice Color). 1 - LIGHT 2 - MEDIUM 3 - DANKEN
	Pigmented coat (Pericarp): 1 = GOLD 2 = PURPLE 3 = RED 4 = BROWN 5 = SPECKLED BROWN
1	Scent: 1 = NONSCENTED (Common) 2 = LIGHTLY SCENTED (Sadri) 3 = SCENTED (Popcorn aroma - Della)
لـــــ	Scent: 1 = NONSCENTED (Common) 2 = LIGHTLY SCENTED (Sadri) 3 = SCENTED (Popcorn aroma - Della)  1 = TRANSLUCENT, FEW CHALKY SPOTS
1	Endosperm: 1 = NON-WAXY (common) 2 = WAXY (glutinous) 1 Endosperm: 2 = CHALKY GERMTIP 3 = WHITE BELL 4 = LARGE CHALKY CORE 5 = OPAQU
	Shattering (Threshability): 1 - DIFFICULT THRESHING (Conway) 2 - THRESHES READILY 3 - SHATTERS
2	Shattering (Threshability): 1-Dirricult Threshing (Colwey) 2-Threshes READILT 3-Shatters
1	Dormancy: 1 = LOW (0 days) 2 = MEDIUM (30 days) 3 = HIGH (90 days or more)
10.	GRAIN:
2	Paddy shape (length/width Ratio): 1 = SHORT (less than 2.2:1) 2 = MEDIUM (2.2:1 to 3.4:1) 3 = LONG (greater than 3.4:1)
	UREMENTS: Length - 91 Width 32 Thickness 1000 Grain
100	Length (mm.) 72 Width 32 Thickness (mm.) L/W fistio (Grams)
	Peddy 0 7 2 3 2 2 2 4 2 9 4
	Brown 0 5 7 3 1 2 0 1 9 2 4 0
	0 5 4 3 0 1 9 1 8 2 3 6
MIL	LING QUALITY
1	8 % HULLS 7 1 % TOTAL MILLED RICE
11.~	RESISTANCE TO LOW TEMPERATURE:
STREET, SQUARE,	Germination & Seedling vigor: 1 = LOW (Bluebelle) 2 = MEDIUM (Nato) 3 = HIGH (Caloro)
3	Flowering (Spikelet fertility): 1 - LOW (Bluebelle) 2 - MEDIUM (Caloro) 3 - HIGH (Calrose)
3	
3	RESISTANCE TO:
3	
3	RESISTANCE TO:



8100094

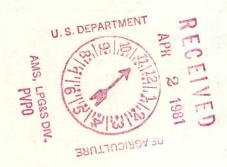
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NUMBER 109	1	33	49	54	1	1 17	19	1	8	13	14	1	3	1	2	1	n. in		. /	410
RESISTANCE		1					1647	N. A.	1				1,1							1
15. DISEASE RESISTAN	CE ( C	- Not	Toste	d; 1 =	Susc	ept ible	; 2-1	Resista	nt):				18							
O CERCOSPORA OR	YZAE				0	ENTY	LOMA	ORYZ	AE				0	FUS	ARIU	M PAN	ICLE	BLIGHT		
O HELMINTHOSPOR	HELMINTHOSPORIUM ORYZAE O HOJA BLANCA V					CA VII	VIRUS DEPTOSPHAERIA BALVINII													
O PYTHIUM SEEDLI	PYTHIUM SEEDLING BLIGHT O RHIZOCTONIA O					IA OR	DRYZAE STRAIGHTENED													
O TILLETIA BARCL	AYAN	IA			0	WHITE	TIPN	EMAT	ODE				0	отн	ER (S	pecify	)			
16. INSECT RESISTANCE	E (0	- Not	Tested	: 1 -:	Susce	ptible;	2 - R	esistan	t)	1				The Co						100
O GRASS HOPPER					0	LEAF	HOPPE	R	O RICE HISPA											
O RICE MIDGE		O STEM BORER					R	STINK BUG												
O SWARM CATERPI	LLAR				0	NATE	R WEE	VIL	O OTHER (Specify)											
17. INDICATE A VARIE	TYW	нісн	MOST	CLOS	ELY	RESE	MBLE	S THA	T SUBN	AITTE	D:									
CHARACTER			NA	ME OF	VAF	RIETY		_	C	HARA	CTE	R			- 1	MAME	OF V	ARIETY		
Tillering	-							-	Seed Shape Endosperm Transp											
Lodging Leaf Angle	-					-			Milling Quality							Tall as				
Leef Color		7.00		To Buil					Cook & Proc. Quality					100		RT-apr				
18. GIVE THE FOLLOW	ING A	VERA	GED	ATA	FOR S	SUBMI	TTED	AND /	A SIMI	LAR	VAR	ETY		1, 19	Q 4 4 E				14 14	
VARIETY PARBOIL CANNING STABILITY (% Loss)				PRO	TEIN		AMYLOSE **				REACTION ***		•••	GELATINIZATIO TEMPERATURE						
SUBMITTED				444					17.5			18		6.5		6.5		Lov	-	200
SIMILAR			C			Yell		74h		• 1		- Idy -		•		440		Sur Inte		
NAME OF SIMILAR			in the second						4	*				•						
*Hulled Rice - Dry Wt.	**M	illed R	ice 11	- 12%	Moist	ture	****	verage	spread	ing val	lue ir	1.7%	6 and	2.0% 1	COH S	olution	<b>1.</b>		Y. TA	Awah

#### REFERENCES

- 1. C. R. Adair et al, 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.
- 2. J. G. Atkins, et al, 1967. An International Set of Rice Varieties for Differentiating Race of Pyricularia Oryzae. Phytopath. 57:297-301.
- 3. Te-Tzu Chang, 1965. The Morphology and Varietal Characteristics of the Rice Plant. IRRI Los Banos, Philippines Tech.

  Bulletin 4.
- 4. K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of Pyricularia Oryzae. Phytopath. 59:339-342.
- 5. B.D. Webb et al, 1968. Characteristics of Rice Varieties in the USDA Collection. Crop Sci. 8:361-365.
- 6. Nickerson's or any recognized color fan may be used to determine plant colors of the described variety.

COMMENTS:



## MORRISON & FOERSTER

SAN FRANCISCO LOS ANGELES SACRAMENTO ORANGE COUNTY WALNUT CREEK ATTORNEYS AT LAW

755 PAGE MILL ROAD
PALO ALTO, CA 94304-1018
TELEPHONE (415) 813-5600
TELEFACSIMILE (415) 494-0792
TELEX 706141 CIOTTI UD

NEW YORK
WASHINGTON, D.C.
DENVER
LONDON
BRUSSELS
HONG KONG
TOKYO

DIRECT DIAL NUMBER

May 4, 1995

SEATTLE

(415) 813-5748

U.S. Department of Agriculture Plant Variety Protection Office 10301 Baltimore Blvd. Beltsville, MD 20705

> Re: Rice Varieties and Status As of April 25, 1995 Our Reference: 99992-2

Dear Sirs:

Please send a copy of the <u>application file</u> for each of the certificates listed below:

			Status			
PY No.	<u>Variety Name</u>	<u>Status</u>	Date	Holder of	Record	.c
8100094	Calpearl	Issued	05/27/82	N.F. Davis Elevator	Drier	&
8200106	California Belle	Issued	10/28/86	N.F. Davis Elevator	Drier 8	&
8700144	S2-Calpearl	Issued	01/15/88	N.F. Davis Elevator	Drier	&
8700145	Valencia 87	Issued	01/15/88	N.F. Davis Elevator	Drier	&
9000193	NFD 108	Issued	10/31/91	N.F. Davis Elevator	Drier	દિ
9000194	NFD 109	Issued	10/31/91	N.F. Davis Elevator	Drier	&

Enclosed is a check in the amount of \$82.00 per the facsimile received from your office on 04/28/95, copy attached.

Thank you for your assistance in this matter.

Sincerely. J. Michael Schiff

. Michael Schiff

JMS/cr

99992\2\205411.1

2-May-95 5:26pm

USDA-AMS-PVPO

'95 MAY -8 A10:08